



Form 1449 (Modified)

**Information Disclosure
Statement By Applicant**

(Use Several Sheets if Necessary)

Atty Docket No.
UCALP020Application No.:
10/750,533Applicant:
Richard A. Mathies, et al.Filing Date
December 29, 2003Group
1744**U.S. Patent Documents**

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
/WB/	A1	5,376,252	12/27/94	Ekström et al.	204	299 R	
	A2						

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	B1							

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
/WB/	C1	D.J. Harrison, et al., <i>Micromachining a miniaturized capillary electrophoresis-based chemical analysis system on a chip</i> , <u>Science</u> , 261(5123): 895-897, 1993.
/WB/	C2	C.A. Emrich, et al., <i>Microfabricated 384-lane capillary array electrophoresis bioanalyzer for ultrahigh-throughput genetic analysis</i> , <u>Analytical Chemistry</u> , 74(19): 5076-5083, 2002.
/WB/	C3	E.T. Lagally, et al., <i>Monolithic integrated microfluidic DNA amplification and capillary electrophoresis analysis system</i> , <u>Sensors and Actuators B-Chemical</u> , 63(3): 138-146, 2000.
/WB/	C4	B.M. Paegel, et al., <i>Microchip bioprocessor for integrated nanovolume sample purification and DNA sequencing</i> , <u>Analytical Chemistry</u> , 74(19): 5092-5098, 2002.
/WB/	C5	B.M. Paegel, et al., <i>Microfluidic devices for DNA sequencing: sample preparation and electrophoretic analysis</i> , <u>Current Opinion in Biotechnology</u> , 14(1): 42-50, 2003.
/WB/	C6	T. Ohori, et al., <i>Partly disposable three-way microvalve for a medical micro total analysis system (muTAS)</i> , <u>Sensors and Actuators A-Physical</u> , 64(1): 57-62, 1998.
/WB/	C7	X. Yang, et al., <i>A MEMS Thermopneumatic silicone rubber membrane valve</i> , <u>Sensors and Actuators A-Physical</u> , 64(1): 101-108, 1998.
Examiner	/William Beisner/	
	Date Considered 07/08/2007	

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

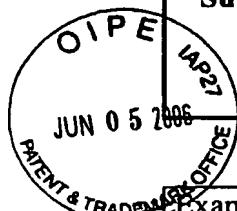
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Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
/WB/	C8	Rolfe C. Anderson, et al., <i>A miniature integrated device for automated multistep genetic assays</i> , <u>Nucleic Acids Research</u> , 28(12): e60, 2000.
/WB/	C9	M.A. Unger, et al., <i>Monolithic microfabricated valves and pumps by multilayer soft lithography</i> , <u>Science</u> , 288(5463): 113-116, 2000.
/WB/	C10	E.T. Lagally, et al., <i>Fully integrated PCR-capillary electrophoresis microsystem for DNA analysis</i> , <u>Lab on a Chip</u> , 1(2): 102-107, 2001.
/WB/	C11	E.T. Lagally, et al., <i>Single-molecule DNA amplification and analysis in an integrated microfluidic device</i> , <u>Analytical Chemistry</u> , 73(3): 565-570, 2001.
/WB/	C12	R.A. Mathies, et al., <i>Capillary array electrophoresis bioprocessors</i> , <u>Solid-State Sensor, Actuator and Microsystems Workshop</u> , pages 112-117, Hilton Head Island, SC, USA, 2002.
/WB/	C13	W.H. Grover, et al., <i>Monolithic membrane valves and diaphragm pumps for practical large-scale integration into glass microfluidic devices</i> , <u>Sensors and Actuators B</u> , 89: 315-323, 2003.
/WB/	C14	C.L. Hansen, et al., <i>A robust and scalable microfluidic metering method that allows protein crystal growth by free interface diffusion</i> , <u>Proceedings of the National Academy of Science</u> , 99(26): 16531-16536, 2002.
/WB/	C15	Weimer, B.C., et al., <i>Solid-phase capture of proteins, spores and bacteria</i> , <u>App. Environ. Microbiology</u> , 67:1300-1307 (2001).
/WB/	C16	Yu, C., et al., <i>Towards stationary phases for chromatography on a microchip: Molded porous polymer monoliths prepared in capillaries by photoinitiated in situ polymerization as separation media for electrochromatography</i> , <u>Electrophoresis</u> , 21:120-127 (2000).
/WB/	C17	Yu, C., et al., <i>Preparation of monolithic polymers with controlled porous properties for microfluidic chip applications using photoinitiated free radical polymerization</i> , <u>J. Polymer Sci.</u> , 40:755 (2002).
/WB/	C18	Rohr, T., et al., <i>Simple and efficient mixers prepared by direct polymerization in the channels of microfluidic chips</i> , <u>Electrophoresis</u> , 22:3959 (2001).
/WB/	C19	Peterson, D.S., et al., <i>Enzymatic Microreactor-on-a-Chip: Protein Mapping Using Trypsin Immobilized on Porous Polymer Monoliths Molded in Channels of Microfluidic Devices</i> , <u>Anal. Chem.</u> 74:4081-4088 (2002).
Examiner	/William Beisner/	
Date Considered	/William Beisner/	

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		Filing Date December 29, 2003	Group 1744



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Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
/WB/	A1	6,408,878	06/25/02	Unger et al.			
	A2	6,623,613	09/23/03	Mathies et al.			
	A3	6,752,922	06/22/04	Huang et al.			
	A4	6,793,753	09/21/04	Unger et al.			
	A5	6,802,342	10/12/04	Fernandes et al.			
	A6	6,829,753	12/07/04	Lee et al.			
	A7	6,885,982	04/26/05	Harris et al.			
	A8	6,899,137	05/31/05	Unger et al.			
	A9	6,929,030	08/16/05	Unger et al.			
	A10	6,951,632	10/04/05	Unger et al.			
	A11	6,953,058	10/11/05	Fernandes et al.			
	A12	6,960,437	11/01/05	Enzelberger et al.			
	A13	7,005,493	02/28/06	Huang et al.			
	A14	D486,156	02/03/04	Lee et al.			
	A15	D488,818	04/20/04	Lee et al.			
↓	A16	6,379,929	04/30/02	Burns et al.			
	A17	6,605,454	08/12/03	Barenburg et al.			
/WB/	A18	US2004/008687	05/06/04	Childers et al.			

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation
							Yes
/WB/	B1	0527905	11/22/95	EP			
/WB/	B2	EP1065378	04/03/02	EP			
/WB/	B3	WO02/043615	06/06/02	WO			

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/WB/	C1	Woolley, A.T., et al., <i>Functional Integration of PCR Amplification and Capillary Electrophoresis in a Microfabricated DNA Analysis Device</i> , <i>Anal. Chem.</i> , 68:4081-4086 (1996).
Examiner	/William Beisner/	Date Considered 07/08/2007

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